

Serial No.: 10/537,536

IN THE SPECIFICATION

In the specification amend each of the following paragraphs as shown:

Paragraph starting with '[D]evices embodying ... ... :

Devices embodying the present invention may be of unitary construction, possibly formed from any one of elastomer, silicon, SU-8, photoresist, thermoplastic, ceramic, and metal. Alternatively, devices embodying the present invention may be of layered construction, with each layer possibly formed from any one of glass, polymer, silicon, SU-8, photoresist, thermoplastic, metal, and ceramics.

Paragraph starting with 'Referring first ... ... :

Referring first to Figures 1 and 2 in combination, an example of a device embodying the present invention comprises a body 10 formed from a material such as PDMS, silicon, SU-8, photoresist, polymers, ceramics and metals. A chamber 20 is formed on one side of the body 10. The chamber 20 connects to an aperture 30 open to the other side of the body 10 via a necked portion 40 or channel. The aperture 30 is formed in a protrusion 50 extending from a plane inner surface 60. The interior walls of the chamber 20, the interior walls 70 of the aperture 30 and the end 80 of the protrusion 50 are wettable by the liquid. The exterior walls 90 of the protrusion 50 and the inner surface 60 are non-wettable. In other embodiments of the present invention, the end 80 may be non-wettable. The protrusion 50 is surrounded by the inner surface 60. In turn, the inner surface 60 is surrounded by a non-wettable plane outer surface 100 parallel to the inner surface 60. The inner surface 60 and its interior walls 95 are non-wettable. The outer surface 100 and the end 80 of the protrusion 50 are coplanar, so that the inner surface 60 resides in a recess surrounding the aperture 30.

DOCKET NUMBER: CH920030007US1

2/8

Serial No.: 10/537,536

Paragraph starting with '[The] body 10 may ... ... :

The body 10 may be formed from elastomeric or rigid materials. Such materials can be shaped by microfabrication techniques such as photolithography, etching, injection molding and the like. The body 10 may be unitary in construction or an assemblage of parts such as a layered assembly. Each layer may be formed from a different material such as elastomer, silicon, SU-8, photoresist, thermoplastics, ceramic, and metal.